



Antenna Part Specification

Project name:	RZ-T2 Dongle
Material category:	BT antenna
Antenna type:	monopole
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Version:	V1.0
Date:	2025.9.4



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Change record			
Compile / change date	Reason for change	Changed content	Version
2025.9.4	First edition	First edition	V1.0

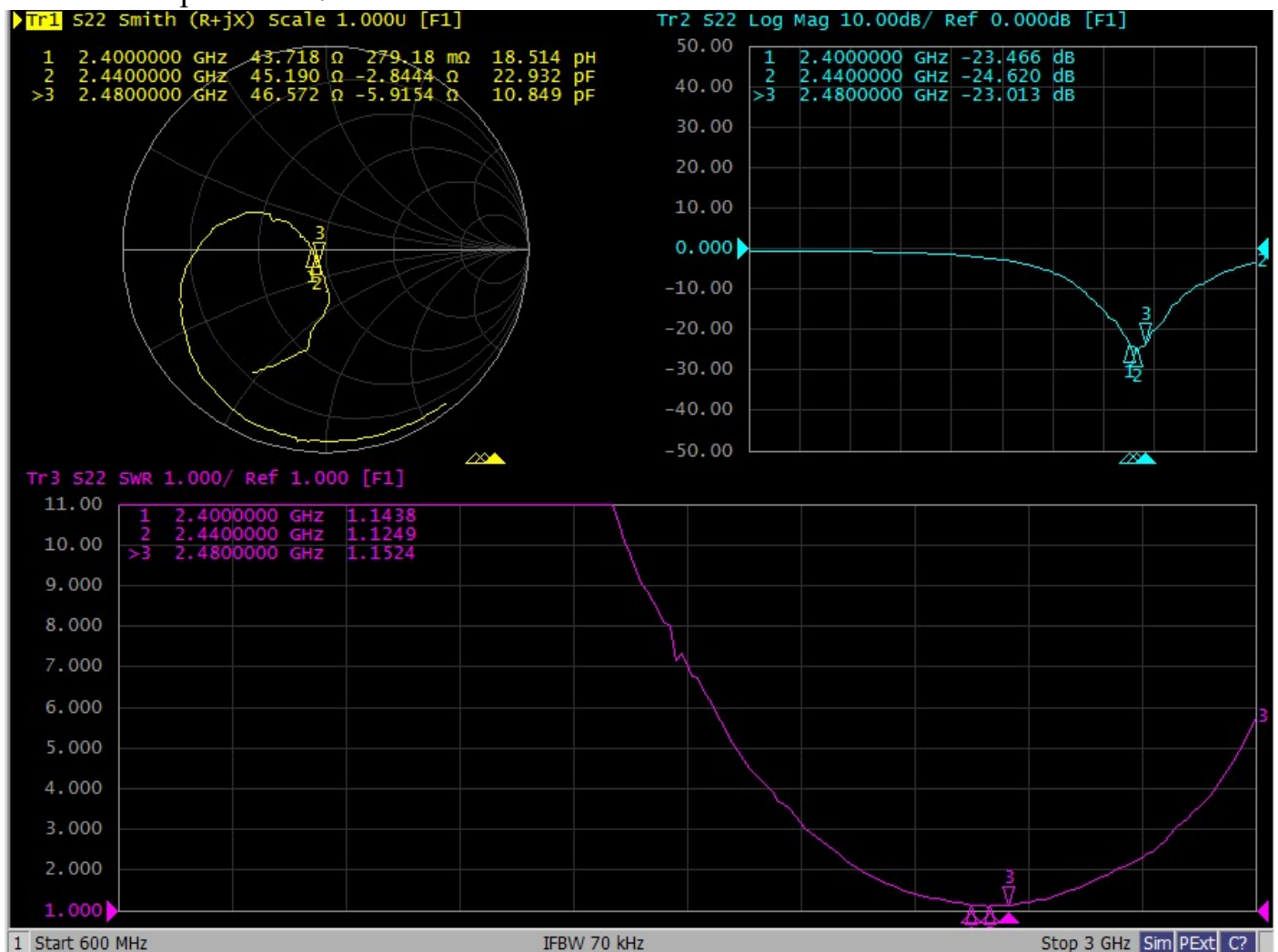


I: The report of passive data



Angilent E5071C

antenna S11 parameter:

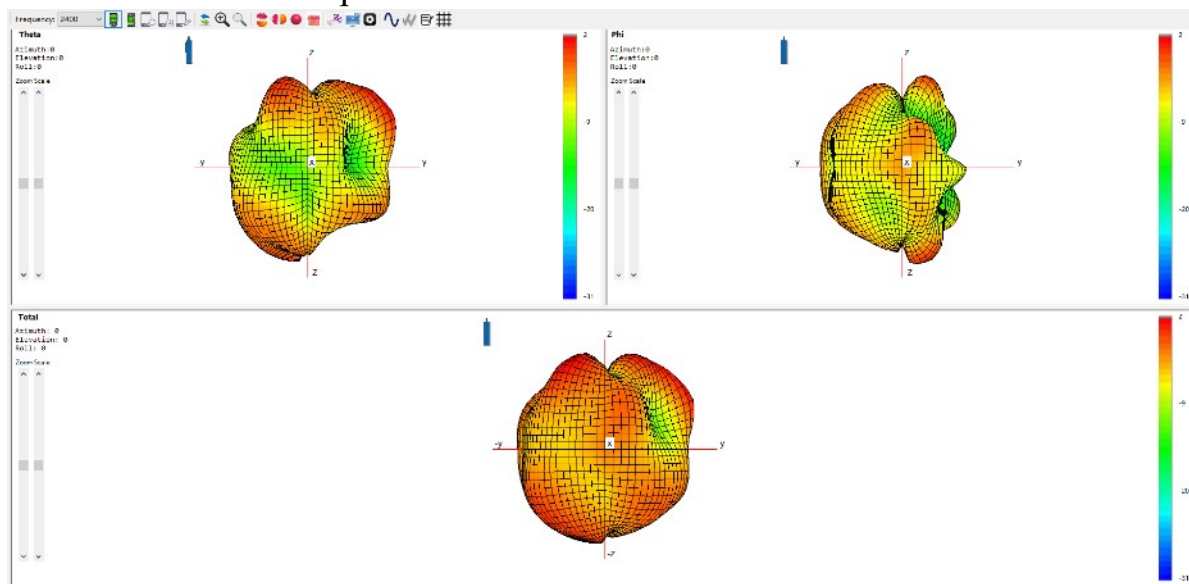




Efficiency:

Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	1.9	-3.1	48.5
2410	1.9	-3.1	49.2
2420	2.0	-3.1	49.5
2430	2.0	-3.1	49.0
2440	2.0	-3.1	48.8
2450	2.0	-3.1	49.2
2460	2.0	-3.1	49.4
2470	2.0	-3.1	48.9
2480	2.0	-3.1	48.9
2490	1.8	-3.2	47.3
2500	1.7	-3.3	46.4
AVG	1.9	-3.1	48.6

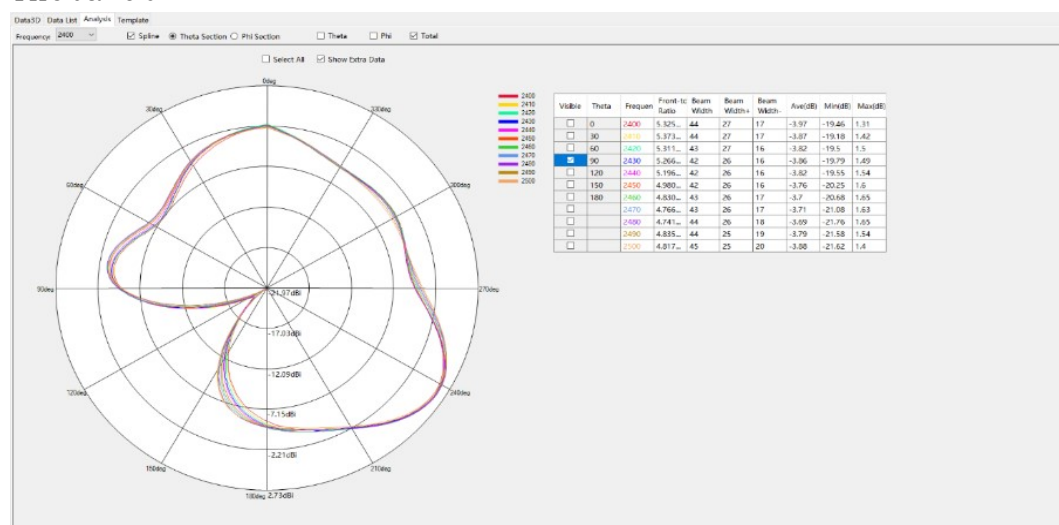
3D Antenna radiation pattern:



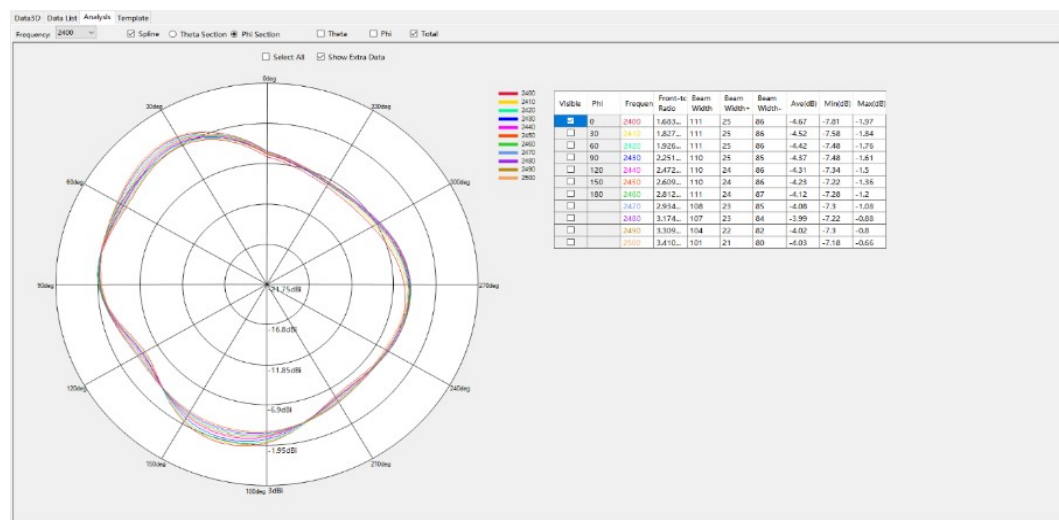


2D Antenna radiation pattern:

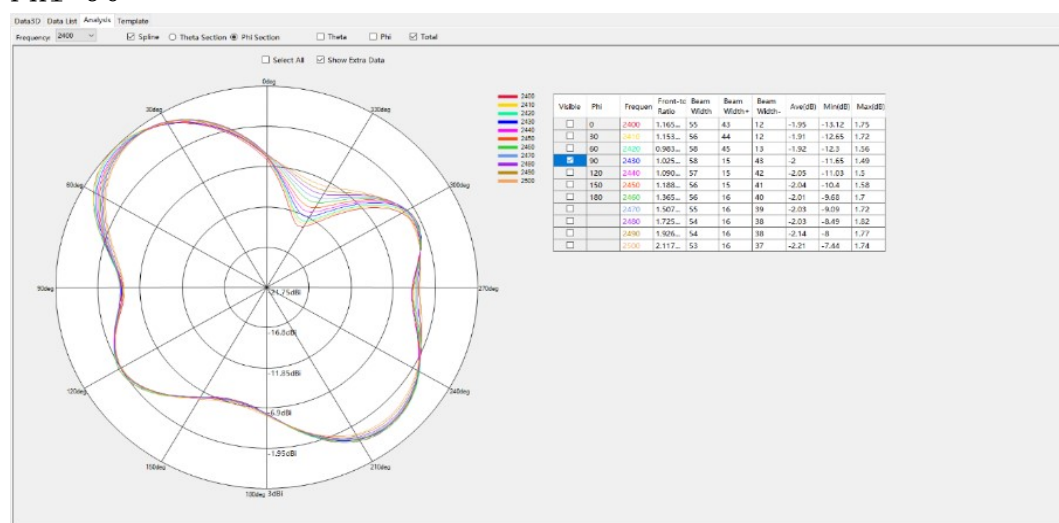
Theta=90°



Phi=0°



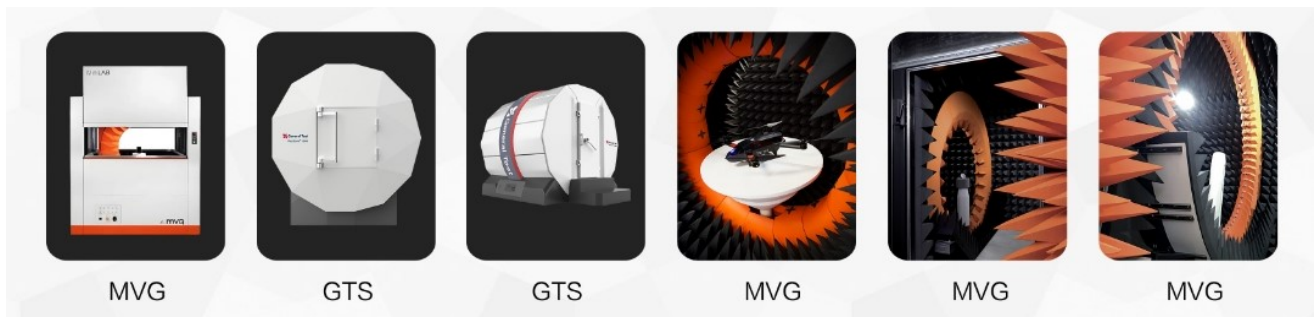
Phi=90°





II: 3D Active test report of antenna

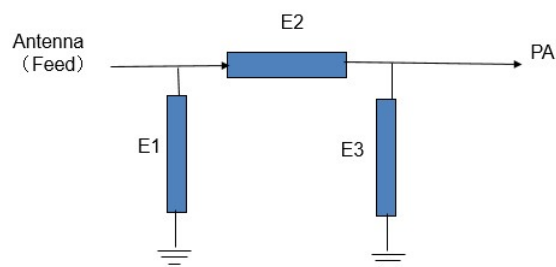
2#	Channel	TRP	TIS
Dongle	CH 0	6.5	-85.5
	CH 39	6.7	-85.7
	CH 78	6.4	-85.4



OTA Standard Chamber

III: Matching circuit

Element	value
E1	N/C
E2	0Ω
E3	N/C





IV: Antenna structure diagram file

